

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/IB 03/05025

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 E21B17/10 E21B7/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 603 386 A (WEBSTER DAVID W) 18 February 1997 (1997-02-18) column 2, line 44 - line 65	1-13
Y	US 4 989 679 A (AMAUDRIC DU CHAFFAUT BENOIT) 5 February 1991 (1991-02-05) column 1, line 11 - line 23 column 4, line 1 - line 11 column 6, line 52 - column 7, line 3	1-13
X		14
A	EP 0 209 318 A (CAMBRIDGE RADIATION TECH) 21 January 1987 (1987-01-21) page 6, line 6 - line 20	1-14
A	US 2002/170750 A1 (SELLAMI HEDI ET AL) 21 November 2002 (2002-11-21) paragraph '0048! paragraph '0055! - paragraph '0057!	1-14

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

18 February 2004

Date of mailing of the international search report

26/02/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Garrido Garcia, M

INTERNATIONAL SEARCH REPORT

Inter: al Application No

PCT/IB 03/05025

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5603386	A	18-02-1997	AU 673996 B2	05-12-1996
			AU 3642293 A	05-10-1993
			BR 9306019 A	18-11-1997
			CA 2131456 A1	16-09-1993
			DE 69314327 D1	06-11-1997
			DE 69314327 T2	29-01-1998
			EP 0628127 A1	14-12-1994
			NO 943265 A	03-11-1994
			DK 628127 T3	27-10-1997
			WO 9318273 A1	16-09-1993
US 4989679	A	05-02-1991	FR 2625253 A1	30-06-1989
			DE 3869373 D1	23-04-1992
			EP 0323772 A1	12-07-1989
			NO 885690 A	26-06-1989
EP 0209318	A	21-01-1987	GB 2177738 A	28-01-1987
			DE 3675279 D1	06-12-1990
			EP 0209318 A2	21-01-1987
			GB 2172324 A ,B	17-09-1986
			GB 2172325 A ,B	17-09-1986
US 2002170750	A1	21-11-2002	FR 2812338 A1	01-02-2002
			CA 2384281 A1	31-01-2002
			WO 0208563 A1	31-01-2002
			GB 2373523 A	25-09-2002
			NO 20021456 A	27-05-2002